

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 36- ending September 8, 2018

The Respiratory Virus Detection Surveillance System collects data from select laboratories across Canada on the number of tests performed and the number of tests positive for influenza and other respiratory viruses. Data are reported on a weekly basis year-round to the Centre for Immunization and Respiratory Infectious Diseases (CIRID), Public Health Agency of Canada. These data are also summarized in the weekly FluWatch report.

Table 1: Respiratory Virus Detections/Isolations for the week ending September 8, 2018 (Reporting Week 201836)

Reporting Laboratory	Flu Tested	A(H1N1)pdm09 Positive	A(H3) Positive	A(UnS) Positive	Total Flu A Positive	Total Flu B Positive	RSV Tested	RSV Positive	PIV Tested	PIV 1 Positive	PIV 2 Positive	PIV 3 Positive	PIV 4 Positive	Other PIV Positive	Adeno Tested	Adeno Positive	hMPV Tested	hMPV Positive	Entero/Rhino Tested	Entero/Rhino Positive	Coron Tested	Coron Positive
Newfoundland	19	0	0	0	0	0	19	0	19	0	0	0	0	0	19	0	19	0	19	5	N.A.	N.A.
Prince Edward Island	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	1	1	0
Nova Scotia	11	0	0	0	0	0	11	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
New Brunswick	70	0	0	0	0	0	70	0	26	0	0	0	0	0	26	1	26	0	26	3	26	0
Atlantic	101	0	0	0	0	0	100	0	49	0	0	0	0	0	49	1	49	0	49	9	30	0
Région Nord-Est	15	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	43	0	0	0	0	0	44	0	45	1	1	0	0	0	45	0	43	0	N.A.	N.A.	43	0
Centre-du-Québec	10	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	378	0	0	0	0	0	397	4	359	0	7	2	2	0	359	7	350	2	N.A.	N.A.	350	0
Ouest du Québec	24	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	7	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	477	0	0	0	0	0	492	4	404	1	8	2	2	0	404	7	393	2	N.A.	N.A.	393	0
Ottawa P.H.L.	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	6	0	1	0	0	0
CHEO - Ottawa	56	0	0	0	0	0	56	0	18	0	0	0	0	0	18	2	18	0	18	6	18	0
Kingston P.H.L.	10	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	0	0	0	0
UHN / Mount Sinai Hospital	140	0	0	1	1	0	140	0	9	0	0	0	0	0	0	0	9	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	153	4	5	0	9	0	139	1	139	0	4	1	0	0	139	0	134	0	5	0	0	0
Sick Kids Hospital - Toronto	36	0	0	0	0	0	36	0	36	0	0	1	1	0	36	2	36	0	36	14	36	0
Sunnybrook & Women's College HSC	28	0	0	0	0	0	28	0	28	0	0	0	0	0	28	0	28	0	28	3	28	0
Sault Ste. Marie P.H.L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Timmins P.H.L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Joseph's - London	23	0	0	0	0	0	23	0	23	0	0	2	0	0	23	0	23	0	23	4	23	0
London P.H.L.	28	0	0	0	0	0	28	0	28	0	1	0	0	0	28	0	26	0	2	0	0	0
Orillia P.H.L.	4	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0
Thunder Bay P.H.L.	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	0	0	2	0	0	0
Sudbury P.H.L.	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0
Hamilton P.H.L.	27	0	0	0	0	0	25	2	25	0	0	0	0	0	25	0	24	0	1	0	0	0
Peterborough P.H.L.	5	0	0	0	0	0	5	0	5	0	0	0	0	0	5	0	5	0	0	0	0	0
Province of Ontario	521	4	5	1	10	0	500	3	331	0	5	4	1	0	322	4	320	0	116	27	105	0
Manitoba	99	0	0	0	0	0	96	0	76	0	0	0	1	0	76	2	0	0	76	13	34	0
Regina	81	0	0	0	0	0	81	0	81	0	1	2	0	0	81	1	81	0	81	29	81	0
Saskatoon	51	0	0	0	0	0	51	0	51	0	0	0	0	0	51	3	51	0	51	12	51	0
Province of Saskatchewan	132	0	0	0	0	0	132	0	132	0	1	2	0	0	132	4	132	0	132	41	132	0
Province of Alberta	330	0	2	0	2	0	304	0	304	0	2	7	4	0	304	3	304	1	304	81	304	2
Prairies	561	0	2	0	2	0	532	0	512	0	3	9	5	0	512	9	436	1	512	135	470	2
British Columbia	167	0	0	1	1	0	167	0	131	1	0	1	4	0	131	3	131	0	112	27	112	0
Yukon	1	0	0	0	0	0	1	0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Northwest Territories	4	0	0	0	0	0	4	0	4	0	0	0	0	0	4	1	4	0	4	2	4	0
Nunavut	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	1	1	0
Territories	6	0	0	0	0	0	6	0	5	0	0	0	0	0	5	1	5	0	5	3	5	0
CANADA	1833	4	7	2	13	0	1797	7	1432	2	16	16	12	0	1423	25	1334	3	794	201	1115	2

Specimens from Yukon (YT), Northwest Territories (NT) and Nunavut (NU) are sent to reference laboratories in other provinces and reported results reflect specimens identified as originating from YT, NT or NU.
Delays in the reporting of data may cause data to change retrospectively.

Table 2: Respiratory Virus Detections/Isolations for the period August 26, 2018 - September 8, 2018 (Reporting Weeks 201835-201836)

Reporting Laboratory	Flu Tested	A(H1N1)pdm09 Positive	A(H3) Positive	A(UnS) Positive	Total Flu A Positive	Total Flu B Positive	RSV Tested	RSV Positive	PIV Tested	PIV 1 Positive	PIV 2 Positive	PIV 3 Positive	PIV 4 Positive	Other PIV Positive	Adeno Tested	Adeno Positive	hMPV Tested	hMPV Positive	Entero/Rhino Tested	Entero/Rhino Positive	Coron Tested	Coron Positive
Newfoundland	41	0	0	0	0	0	41	0	41	0	0	0	0	0	41	0	41	0	41	12	N.A.	N.A.
Prince Edward Island	4	0	0	0	0	0	0	0	4	0	0	0	0	0	4	0	4	0	4	1	4	0
Nova Scotia	15	0	0	0	0	0	15	0	4	0	0	0	0	0	4	0	4	0	4	0	4	0
New Brunswick	101	0	0	0	0	0	101	0	57	0	0	0	0	0	57	3	57	0	57	7	57	0
Atlantic	161	0	0	0	0	0	157	0	106	0	0	0	0	0	106	3	106	0	106	20	65	0
Région Nord-Est	29	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	94	0	0	0	0	0	102	1	99	1	2	0	0	0	101	0	94	0	N.A.	N.A.	94	0
Centre-du-Québec	26	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	729	0	0	2	2	0	763	9	687	1	13	5	3	0	687	18	667	4	N.A.	N.A.	667	2
Ouest du Québec	40	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	30	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	948	0	0	2	2	0	981	10	786	2	15	5	3	0	788	18	761	4	N.A.	N.A.	761	2
Ottawa P.H.L.	25	0	0	0	0	0	24	0	24	0	0	0	0	0	24	0	23	0	1	0	0	0
CHEO - Ottawa	101	0	0	0	0	0	101	0	34	0	0	1	0	0	34	2	34	0	34	8	34	0
Kingston P.H.L.	19	0	0	0	0	0	16	0	16	0	0	0	0	0	16	0	16	0	2	0	0	0
UHN / Mount Sinai Hospital	292	0	0	1	1	0	292	0	18	0	0	0	0	0	0	0	18	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	294	7	5	0	12	0	276	2	276	0	4	1	0	0	276	0	266	1	14	0	0	0
Sick Kids Hospital - Toronto	72	0	0	0	0	0	72	0	72	0	1	2	2	0	72	2	72	1	72	22	72	0
Sunnybrook & Women's College HSC	58	0	0	0	0	0	58	0	58	0	0	1	0	0	58	0	58	0	58	9	58	0
Sault Ste. Marie P.H.L.	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0
Timmins P.H.L.	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	1	0	1	0	0	0
St. Joseph's - London	23	0	0	0	0	0	23	0	23	0	0	2	0	0	23	0	23	0	23	4	23	0
London P.H.L.	54	0	0	0	0	0	54	1	54	0	1	0	0	0	54	0	51	0	3	0	0	0
Orillia P.H.L.	12	0	0	0	0	0	10	0	10	0	0	0	0	0	10	0	9	0	1	0	0	0
Thunder Bay P.H.L.	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	5	0	2	0	0	0
Sudbury P.H.L.	9	0	0	0	0	0	9	0	9	0	0	0	0	0	9	0	7	0	2	0	0	0
Hamilton P.H.L.	49	0	0	0	0	0	45	2	45	0	0	0	0	0	45	0	44	0	1	0	0	0
Peterborough P.H.L.	14	0	0	0	0	0	14	0	14	0	0	0	0	0	14	0	14	0	0	0	0	0
Province of Ontario	1032	7	5	1	13	0	1004	5	663	0	6	7	2	0	645	4	642	2	214	43	187	0
Manitoba	192	0	0	0	0	0	188	0	149	0	0	0	1	0	149	2	32	0	149	26	66	0
Regina	179	0	0	0	0	0	179	0	179	0	2	5	0	0	179	2	179	0	179	66	179	0
Saskatoon	91	0	0	0	0	0	91	0	91	0	0	0	0	0	91	5	91	0	91	21	91	0
Province of Saskatchewan	270	0	0	0	0	0	270	0	270	0	2	5	0	0	270	7	270	0	270	87	270	0
Province of Alberta	654	3	4	0	7	0	600	0	600	1	4	11	6	0	600	7	600	3	600	170	600	4
Prairies	1116	3	4	0	7	0	1058	0	1019	1	6	16	7	0	1019	16	902	3	1019	283	936	4
British Columbia	322	1	0	2	3	0	322	1	254	1	0	8	4	0	254	3	254	0	220	45	220	0
Yukon	3	0	0	0	0	0	3	0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Northwest Territories	11	0	0	0	0	0	11	0	11	0	0	0	0	0	11	2	11	0	11	5	11	0
Nunavut	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	3	2	3	0
Territories	17	0	0	0	0	0	17	0	14	0	0	0	0	0	14	2	14	0	14	7	14	0
CANADA	3596	11	9	5	25	0	3539	16	2842	4	27	36	16	0	2826	46	2679	9	1573	398	2183	6

Specimens from YT, NT and NU are sent to reference laboratories in other provinces and reported results reflect specimens identified as originating from YT, NT or NU.

Delays in the reporting of data may cause data to change retrospectively.

Due to reporting delays, the sum of weekly report totals do not add up to cumulative totals.

Figure 1: Number positive laboratory tests for other respiratory viruses by report week, Canada, 2018-19

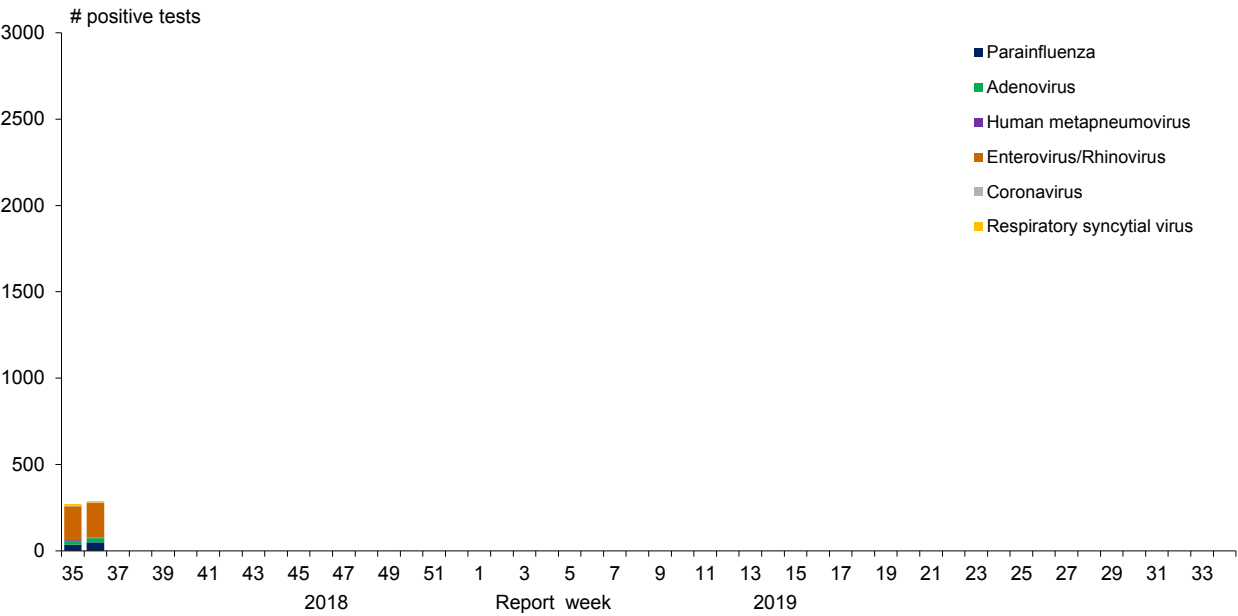


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

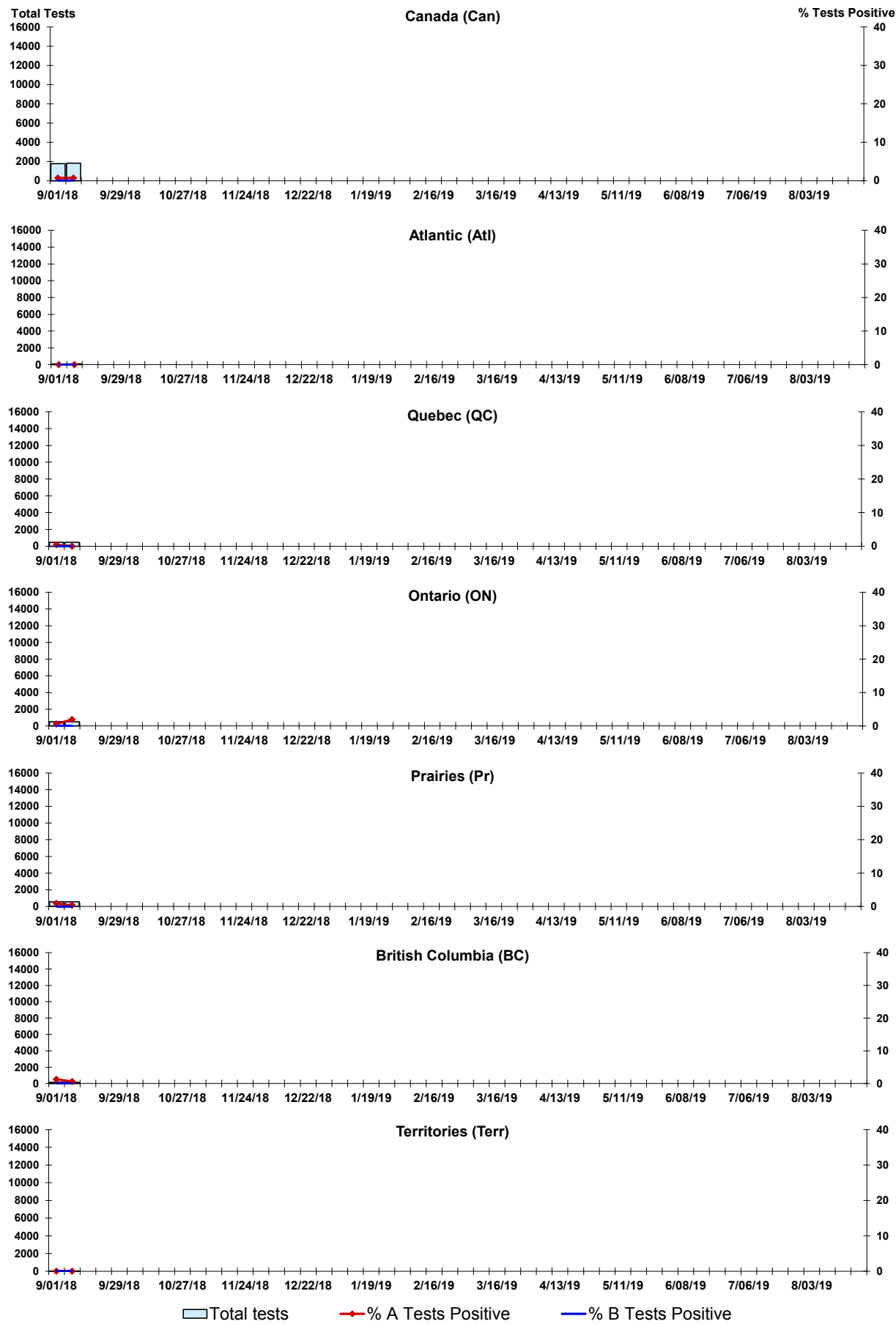


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report



Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

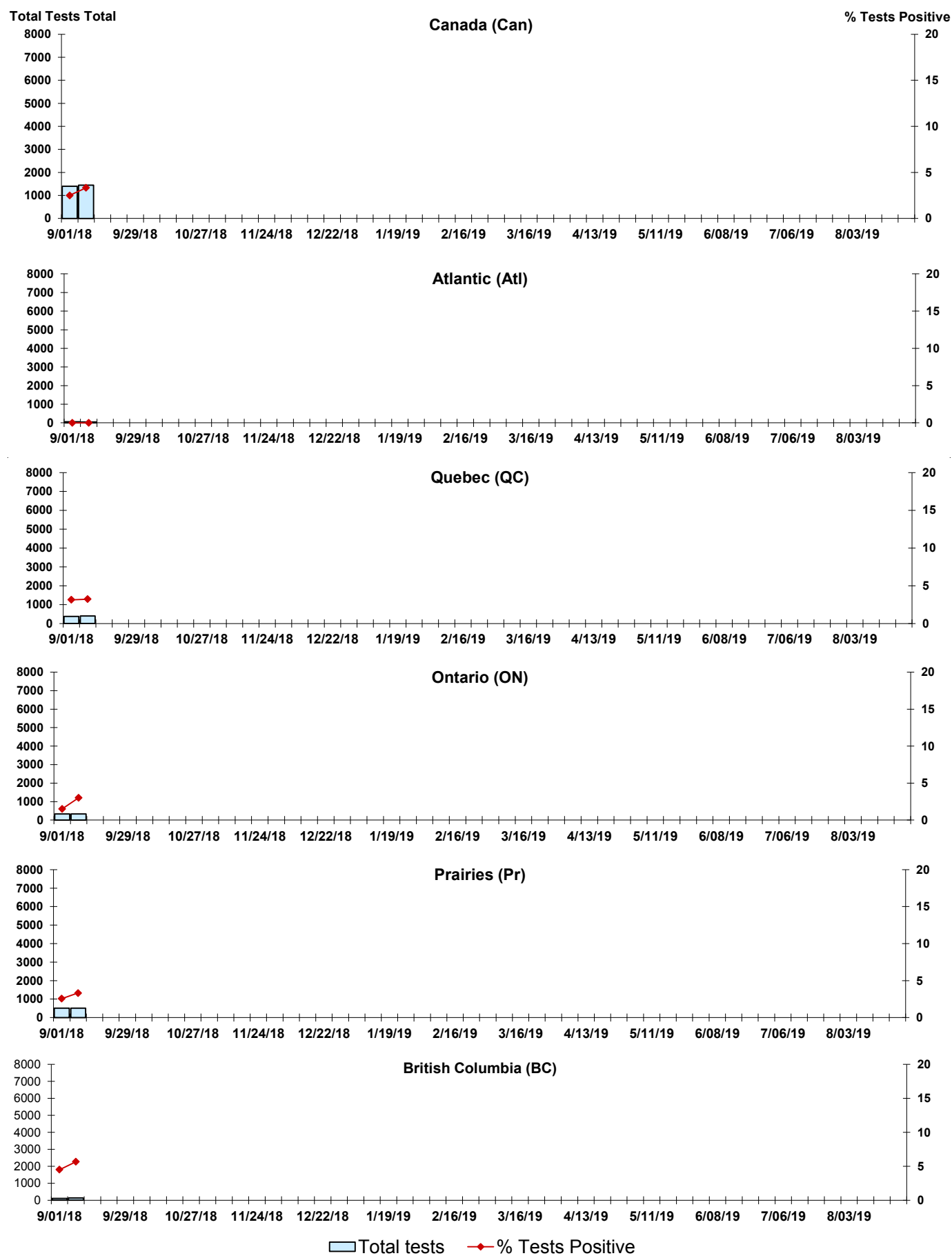


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

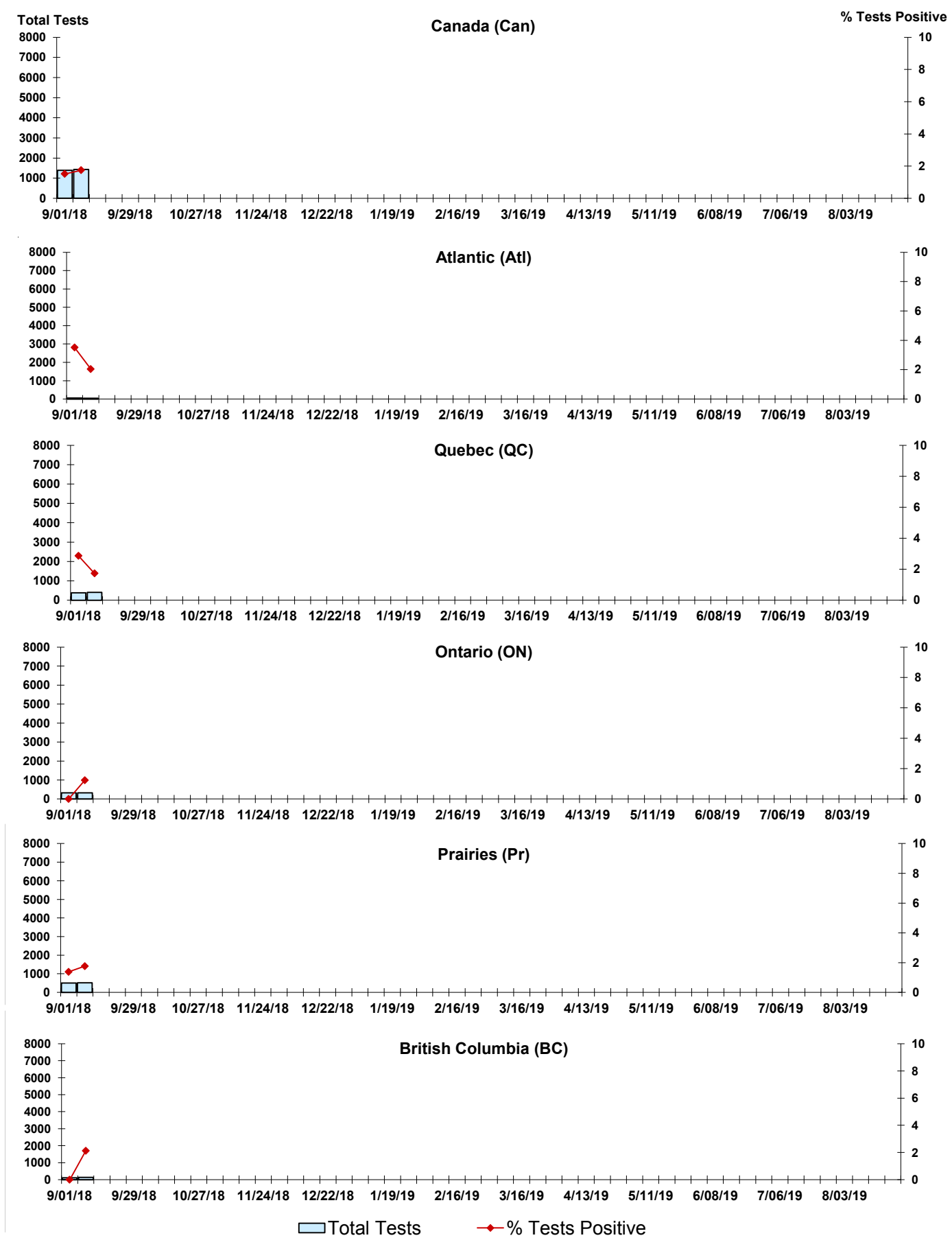


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

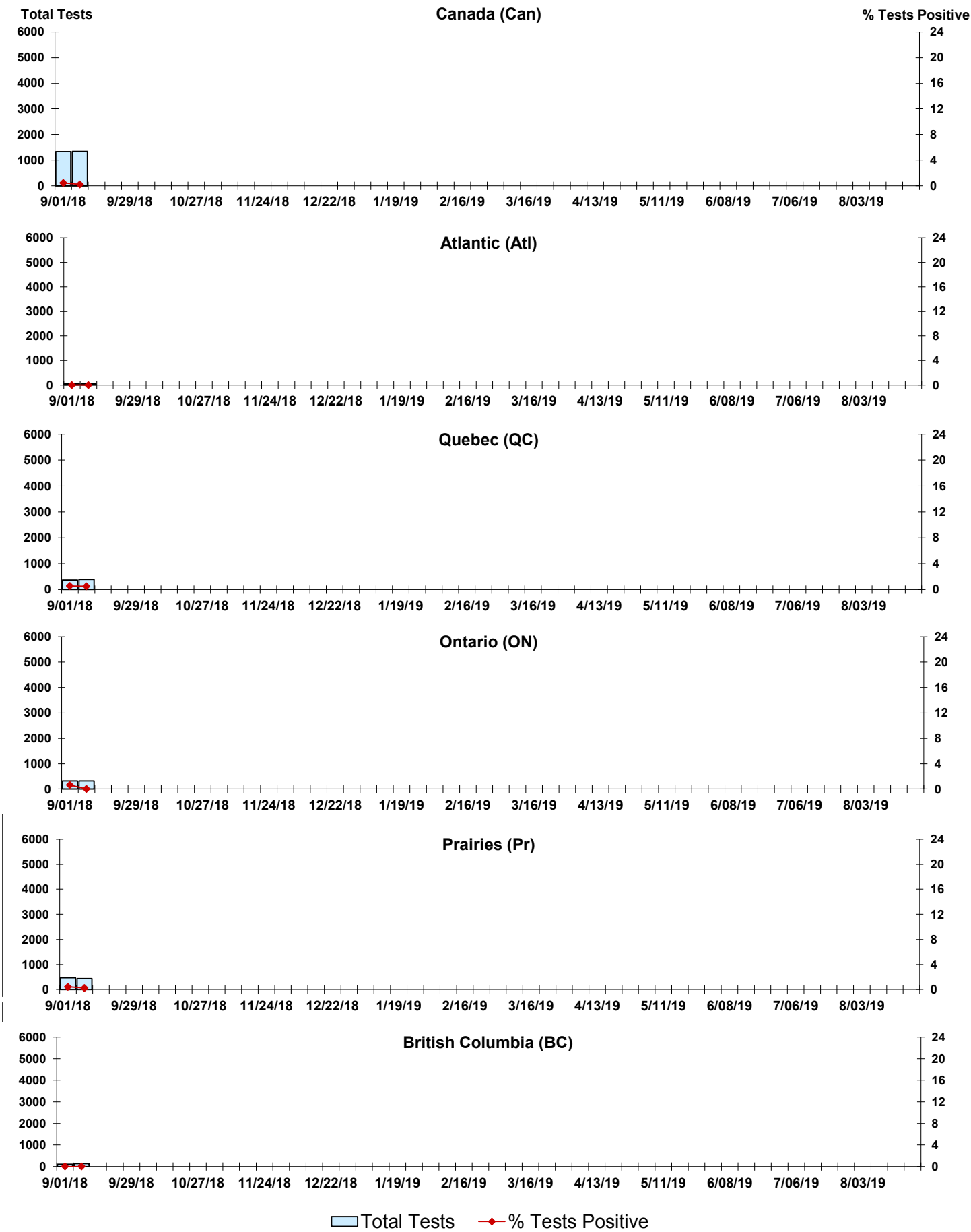


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

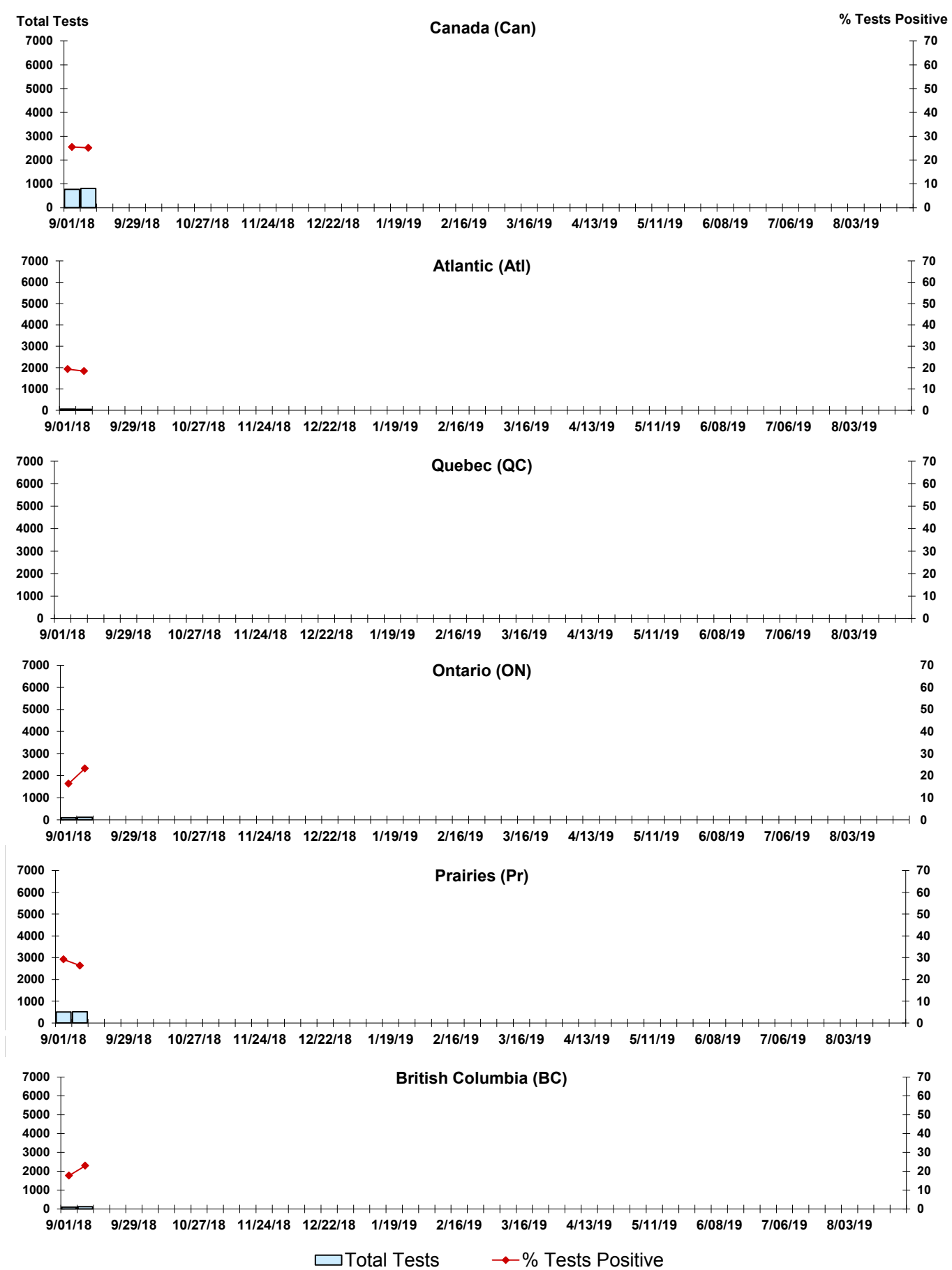
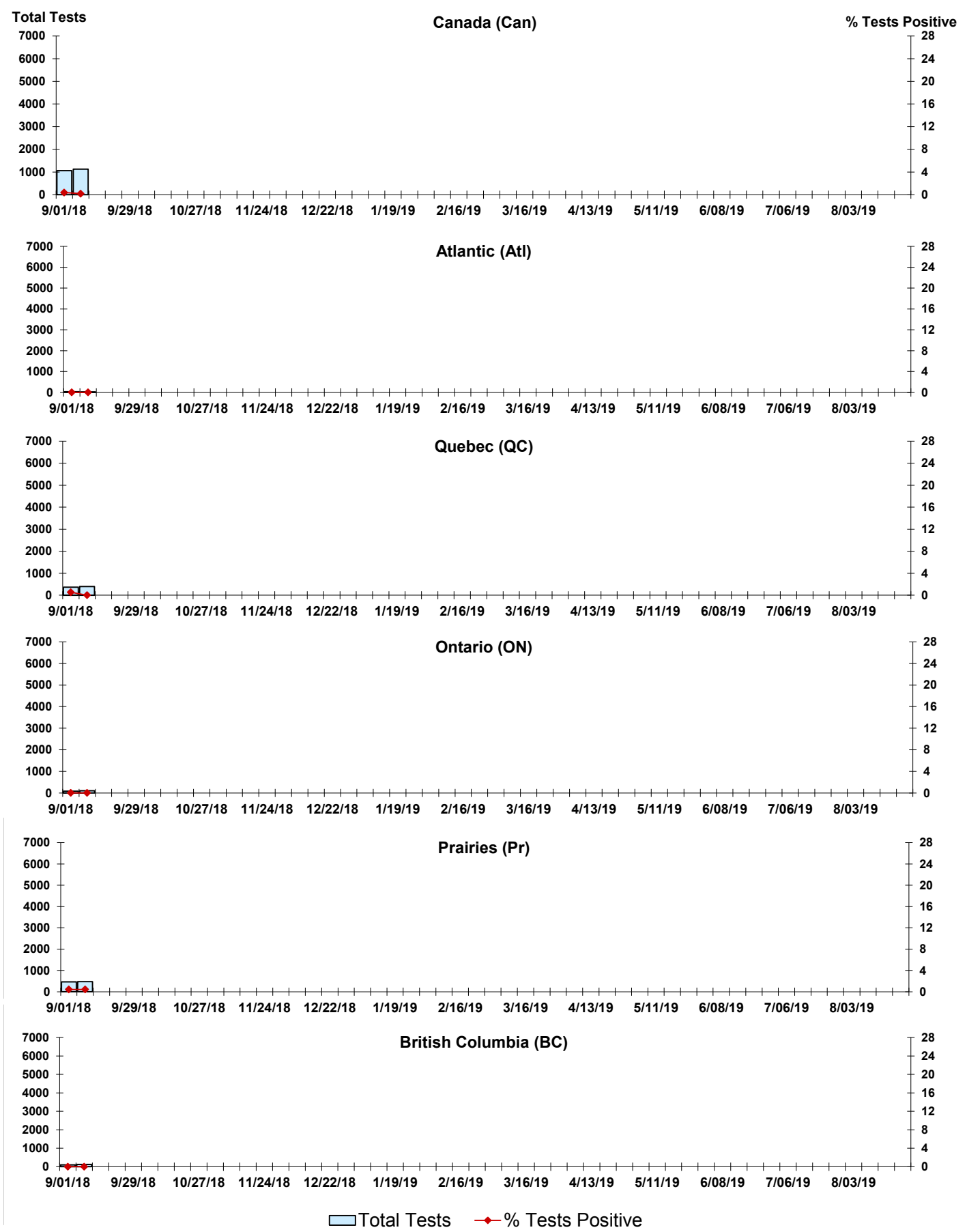


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



Abbreviations:

A(H1N1)pdm09: Influenza A(H1N1)pdm09

A(H3): Influenza A(H3N2)

A (UnS): Influenza A (Unsubtyped)

Adeno: Adenovirus

CHEO: Children's Hospital of Eastern Ontario

Coron: Coronavirus

Entero: Enterovirus

hMPV: human metapneumovirus

HSC: Health Sciences Centre

N.A.: Not Applicable

P.H.L.: Public Health Laboratory

P.H.O.L.: Public Health Ontario Laboratory

PIV: Parainfluenza

Rhino: Rhinovirus

RSV: Respiratory syncytial virus

UHN: University Health Network

Notes:

Specimens from Yukon (YT), Northwest Territories (NT) and Nunavut (NU) are sent to reference laboratories in other provinces. Results reported for the Territories reflect the number of specimens that are identified as originating from YT, NT or NU.

Delays in the reporting of data may cause data to change retrospectively.

Due to reporting delays, the sum of weekly report totals do not add up to cumulative totals.